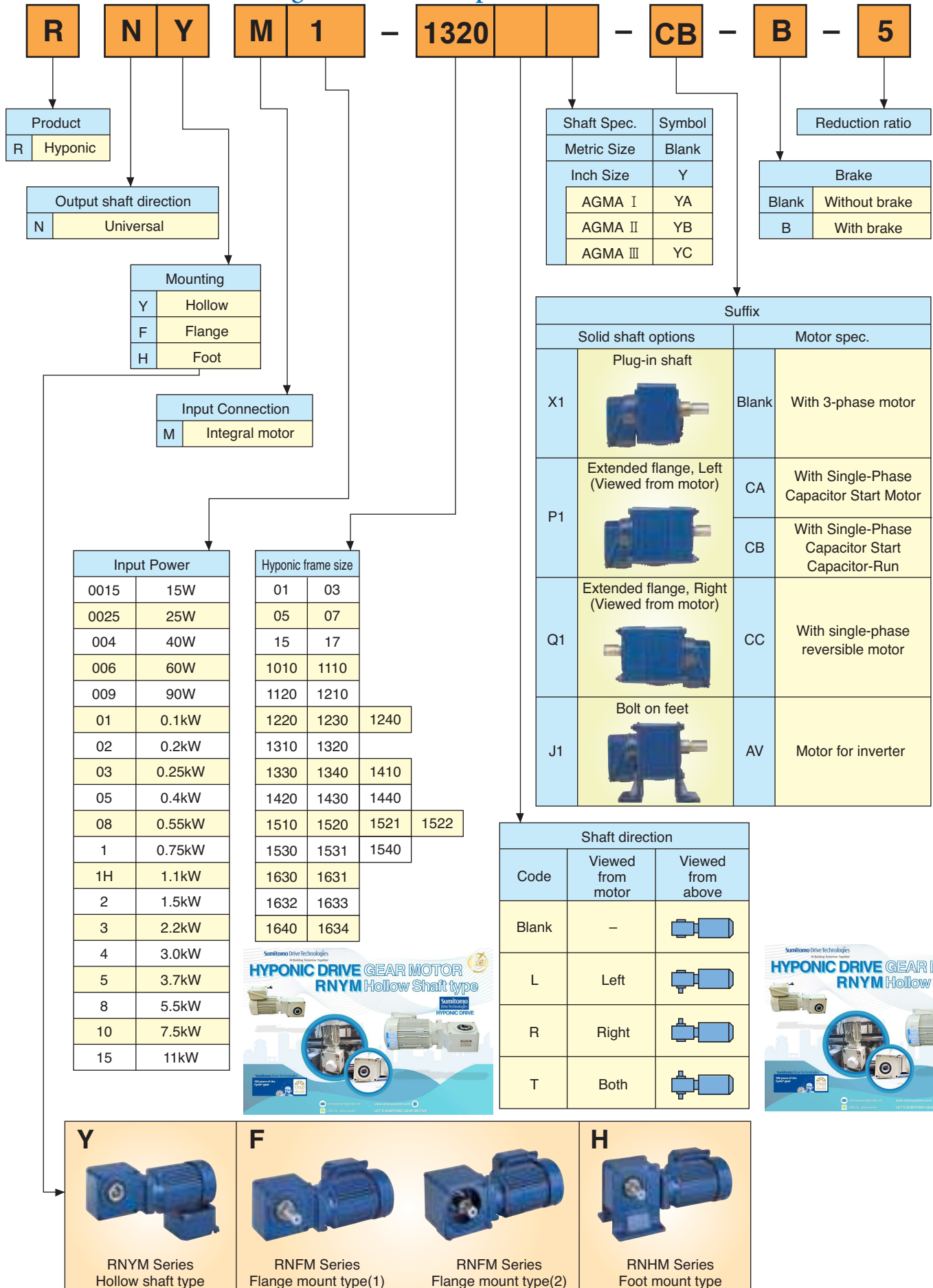


ในรหัส HYPONIC ที่มี CB หมายถึงใช้ไฟ 220Volt , 1 phase

Single Phase Motor special MODEL "CB"



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HYPONIC DRIVE GEAR MOTOR
RNYM Hollow Shaft type

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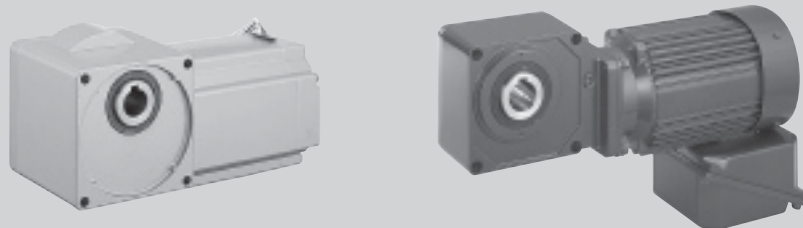
3-phase

Single-phase

Motors for Inverters

HYPONIC Drive®

Hollow Shaft

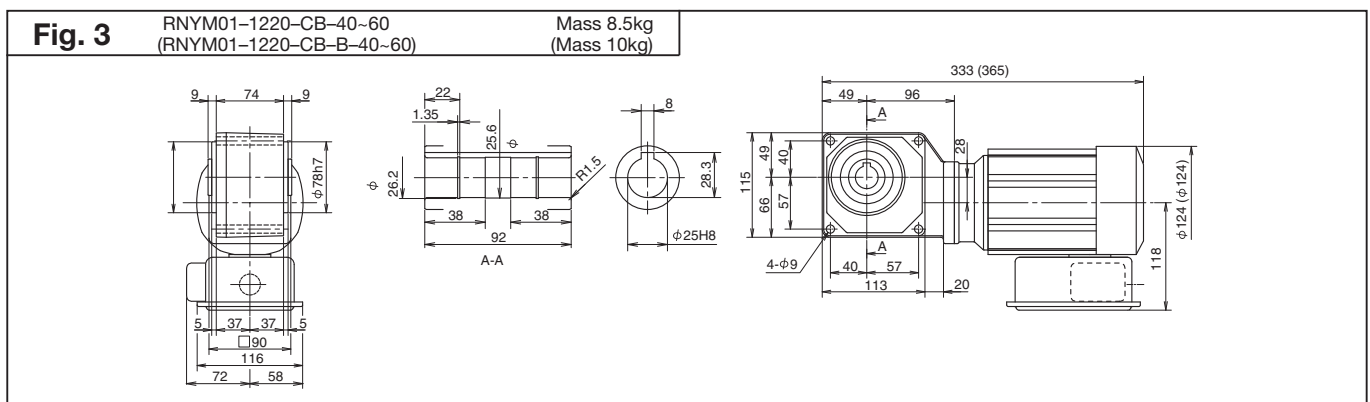
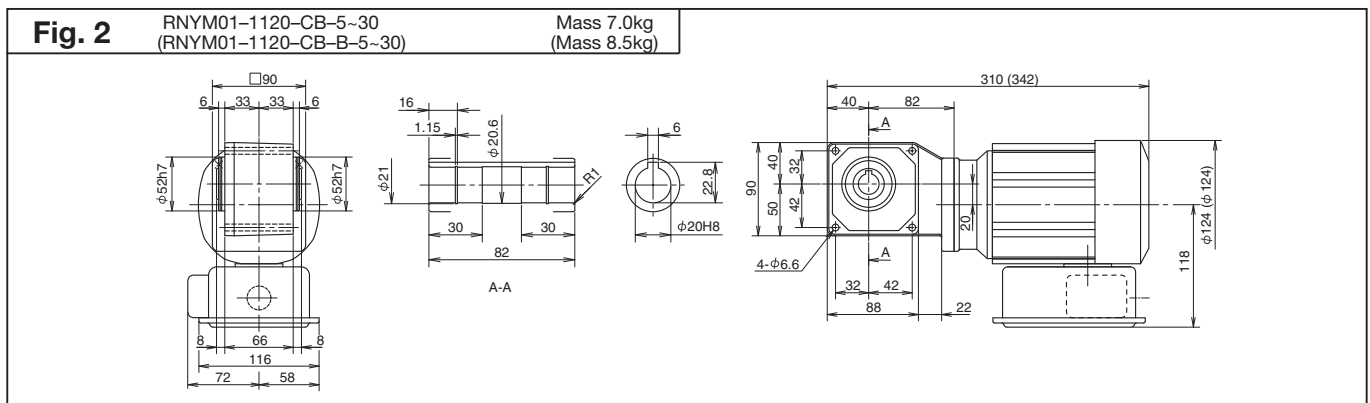
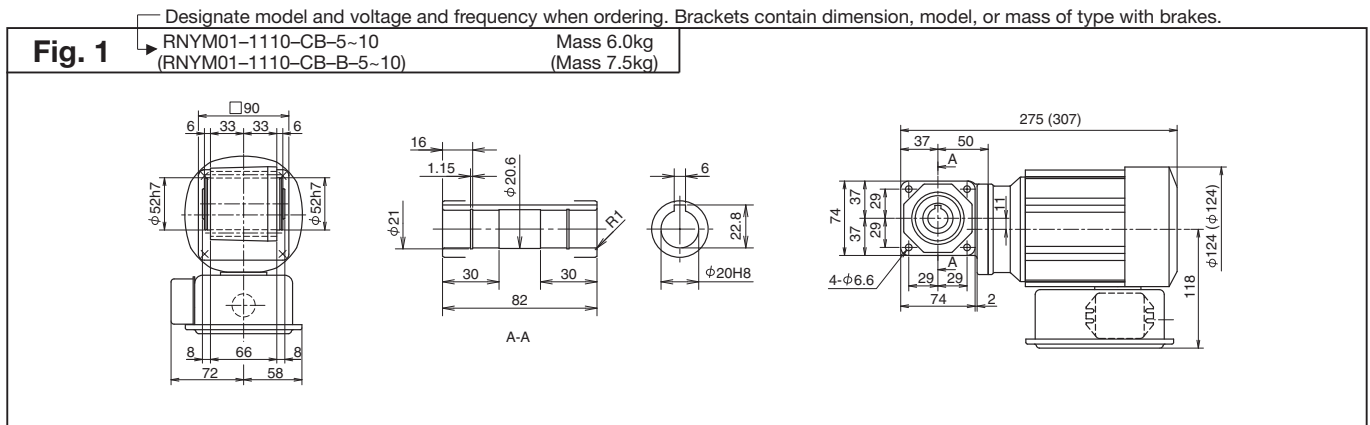


RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	2.80	2.32	0.286	0.237	4.00 2.00	637	588	65	60	01 – 1110 – CB – 5	5	1		
											01 – 1120 – CB – 5	5	2		
207	250	3.92	3.25	0.400	0.332	4.00 2.00	686	637	70	65	01 – 1110 – CB – 7	7	1		
											01 – 1120 – CB – 7	7	2		
145	175	5.61	4.64	0.572	0.474	2.00 2.00	785	735	80	75	01 – 1110 – CB – 10	10	1		
											01 – 1120 – CB – 10	10	2		
121	146	6.73	5.57	0.686	0.568	2.00	834	785	85	80	01 – 1120 – CB – 12	12	2		
96.7	117	8.41	6.97	0.857	0.710	2.00	883	834	90	85	01 – 1120 – CB – 15	15			
72.5	87.5	11.2	9.29	1.14	0.947	2.00	981	932	100	95	01 – 1120 – CB – 20	20			
58.0	70.0	14.0	11.6	1.43	1.18	2.00	1030	981	105	100	01 – 1120 – CB – 25	25			
48.3	58.3	16.8	13.9	1.71	1.42	2.00	1080	1030	110	105	01 – 1120 – CB – 30	30	3		
36.3	43.8	22.4	18.6	2.29	1.89	2.00	1620	1570	165	160	01 – 1220 – CB – 40	40			
29.0	35.0	28.0	23.2	2.86	2.37	2.00	1720	1670	175	170	01 – 1220 – CB – 50	50			
24.2	29.2	33.6	27.9	3.43	2.84	2.00	1770	1720	180	175	01 – 1220 – CB – 60	60			

Notes : 1. Motor slippage may affect n₁ and n₂.
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".
3. Dimensions and Masses in the drawings are subject to change without notice.

0.1kW Single-phase Motor



0.1
kW

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
18.1	21.9	44.8	37.2	4.57	3.79	2.00	3040	2940	310	300	01 – 1330 – CB – 80				4
14.5	17.5	56.1	46.4	5.72	4.74	2.00	3090	3040	315	310	01 – 1330 – CB – 100				
12.1	14.6	67.3	55.7	6.86	5.68	2.00	3090	3090	315	315	01 – 1330 – CB – 120				
9.67	11.7	84.1	69.7	8.57	7.10	2.00	3090	3090	315	315	01 – 1330 – CB – 150				
7.25	8.75	112	92.9	11.4	9.47	1.74	3090	3090	315	315	01 – 1330 – CB – 200				
6.04	7.29	135	111	13.7	11.4	1.45	3090	3090	315	315	01 – 1330 – CB – 240				
4.83	5.83	158	131	16.1	13.4	4.00	6230	6230	635	635	01 – 1540 – CB – 300				5
4.03	4.86	190	157	19.4	16.0	3.85	6230	6230	635	635	01 – 1540 – CB – 360				
3.02	3.65	253	210	25.8	21.4	2.89	6230	6230	635	635	01 – 1540 – CB – 480				
2.42	2.92	317	262	32.3	26.7	2.31	6230	6230	635	635	01 – 1540 – CB – 600				
2.01	2.43	380	315	38.7	32.1	1.93	6230	6230	635	635	01 – 1540 – CB – 720				
1.61	1.94	475	393	48.4	40.1	1.54	6230	6230	635	635	01 – 1540 – CB – 900				
1.21	1.46	630	520	64.6	53.5	1.16	6230	6230	635	635	01 – 1540 – CB – 1200				
1.01	1.22	732	630	74.6	64.2	*	6230	6230	635	635	01 – 1540 – CB – 1440				

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Fig. 4 Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.
RNYM01-1330-CB-80-240 Mass 10kg
(RNYM01-1330-CB-B-80-240) (Mass 11kg)

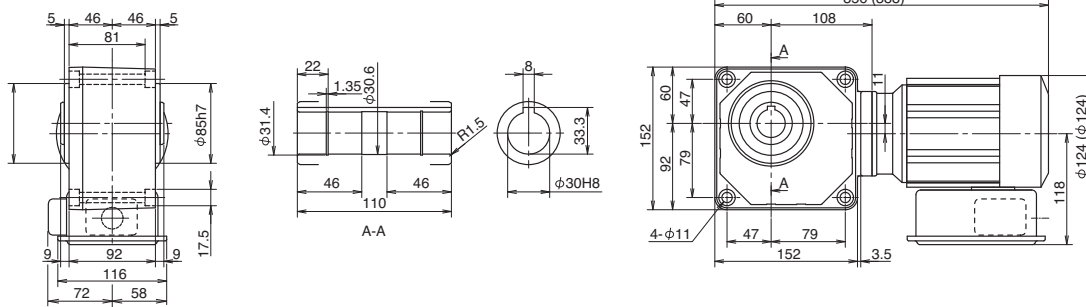
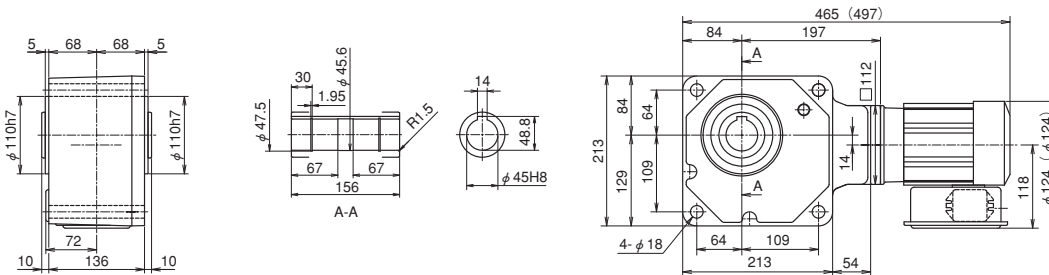


Fig. 5 RNYM01-1540-300-1440 Mass 24.5kg
(RNYM01-1540-B-300-1440) (Mass 25.5kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	5.61	4.64	0.572	0.474	4.00 2.00	883	834	90	85	02 – 1210 – CB – 5	5	1		
											02 – 1220 – CB – 5	5	2		
207	250	7.85	6.50	0.800	0.66	4.00 2.00	981	932	100	95	02 – 1210 – CB – 7	7	1		
											02 – 1220 – CB – 7	7	2		
145	175	11.2	9.29	1.14	0.947	2.00 2.00	1079	1030	110	105	02 – 1210 – CB – 10	10	1		
											02 – 1220 – CB – 10	10	2		
121	146	13.5	11.1	1.37	1.14	2.00	1130	1080	115	110	02 – 1220 – CB – 12	12	2		
96.7	117	16.8	13.9	1.71	1.42	2.00	1230	1180	125	120	02 – 1220 – CB – 15	15			
72.5	87.5	22.4	18.6	2.29	1.89	2.00	1370	1320	140	135	02 – 1220 – CB – 20	20			
58.0	70.0	28.0	23.2	2.86	2.37	2.00	1470	1370	150	140	02 – 1220 – CB – 25	25			
48.3	58.3	33.6	27.9	3.43	2.84	2.00	1520	1470	155	150	02 – 1220 – CB – 30	30	3		
36.3	43.8	44.8	37.2	4.57	3.79	2.00	2650	2550	270	260	02 – 1320 – CB – 40	40			
29.0	35.0	56.1	46.4	5.72	4.74	2.00	2840	2750	290	280	02 – 1320 – CB – 50	50			
24.2	29.2	67.3	55.7	6.86	5.68	2.00	2940	2840	300	290	02 – 1320 – CB – 60	60			

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 1

RNYM02-1210-CB-5-10
(RNYM02-1210-CB-B-5-10)

Mass 9.0kg
(Mass 10kg)

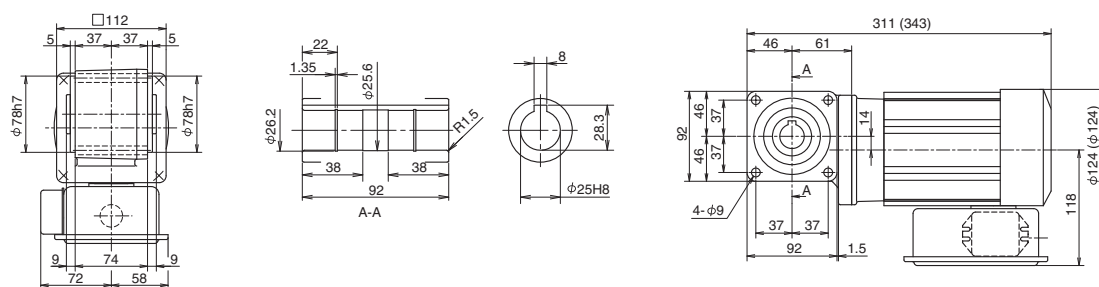


Fig. 2

RNYM02-1220-CB-5-30
(RNYM02-1220-CB-B-5-30)

Mass 9.5kg
(Mass 11kg)

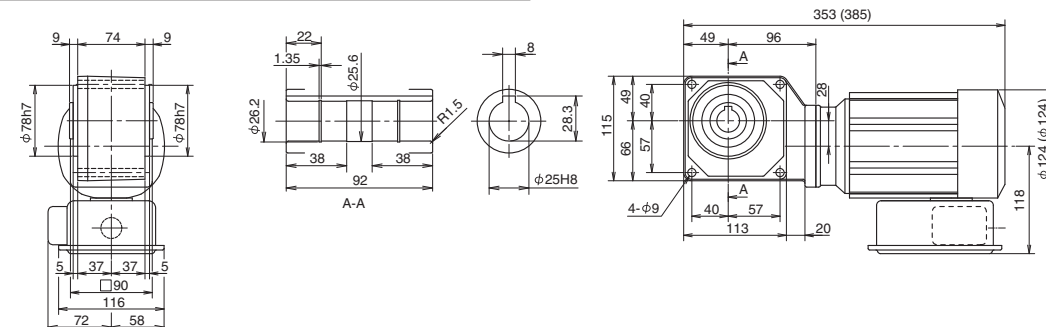
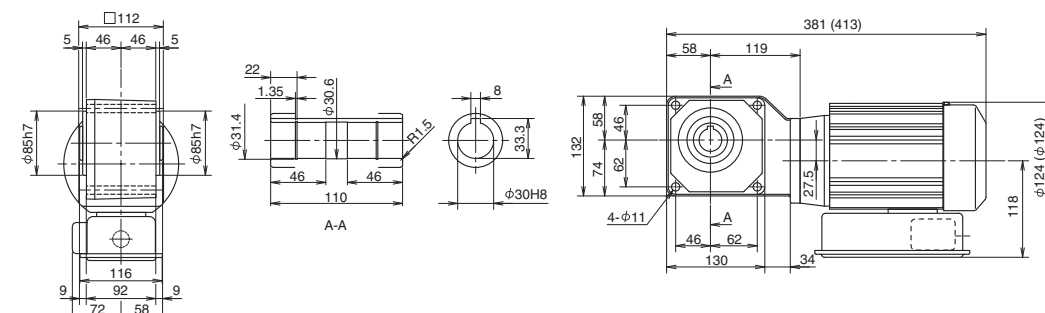


Fig. 3

RNYM02-1320-CB-40-60
(RNYM02-1320-CB-B-40-60)

Mass 11kg
(Mass 13kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

3. Dimensions and Masses in the drawings are subject to change without notice.

0.2kW Single-phase Motor



0.2
kW

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
							50Hz	60Hz	50Hz	60Hz					
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
18.1	21.9	89.7	74.3	9.14	7.58	2.00	4360	4270	445	435	02 – 1430 – CB – 80				4
14.5	17.5	112	92.9	11.4	9.47	2.00	4360	4360	445	445	02 – 1430 – CB – 100				
12.1	14.6	135	111	13.7	11.4	2.00	4360	4360	445	445	02 – 1430 – CB – 120				
9.67	11.7	168	139	17.1	14.2	2.00	4360	4360	445	445	02 – 1430 – CB – 150				
7.25	8.75	224	186	22.9	18.9	1.74	4360	4360	445	445	02 – 1430 – CB – 200				
6.04	7.29	269	223	27.4	22.7	1.45	4360	4360	445	445	02 – 1430 – CB – 240				
4.83	5.83	317	262	32.3	26.7	2.00	6230	6230	635	635	02 – 1540 – CB – 300				5
4.03	4.86	380	315	38.7	32.1	1.93	6230	6230	635	635	02 – 1540 – CB – 360				
3.02	3.65	506	420	51.6	42.8	1.44	6230	6230	635	635	02 – 1540 – CB – 480				
2.42	2.92	633	525	64.6	53.5	1.16	6230	6230	635	635	02 – 1540 – CB – 600				
2.01	2.43	732	629	74.6	64.2	*	6230	6230	635	635	02 – 1540 – CB – 720				
1.61	1.94	732	732	74.6	74.6	*	6230	6230	635	635	02 – 1540 – CB – 900				
1.21	1.46	732	732	74.6	74.6	*	6230	6230	635	635	02 – 1540 – CB – 1200				
1.01	1.22	732	732	74.6	74.6	*	6230	6230	635	635	02 – 1540 – CB – 1440				

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 4

RNYM02-1430-CB-80-240
(RNYM02-1430-CB-B-80-240)

Mass 16kg
(Mass 17kg)

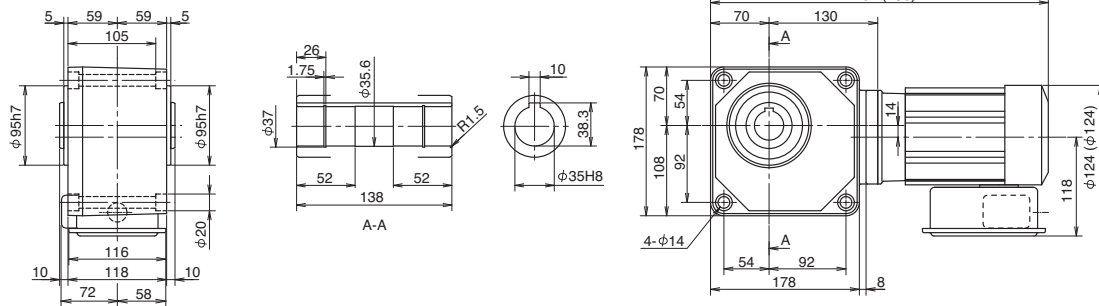
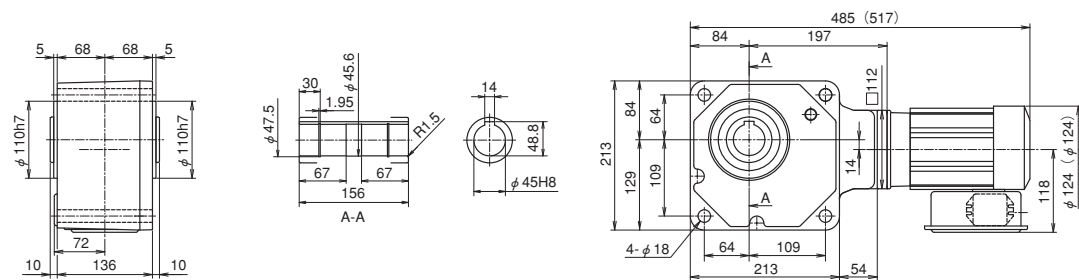


Fig. 5

RNYM02-1540-CB-300-1440
(RNYM02-1540-CB-B-300-1440)

Mass 26kg
(Mass 27.5kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	11.2	9.29	1.14	0.947	3.85 2.00	1470	1370	150	140	05 – 1310 – CB – 5		5	1	
											05 – 1320 – CB – 5		5	2	
207	250	15.7	13.0	1.60	1.33	3.85 2.00	1670	1570	170	160	05 – 1310 – CB – 7		7	1	
											05 – 1320 – CB – 7		7	2	
145	175	22.4	18.6	2.29	1.89	2.00 2.00	1810	1720	185	175	05 – 1310 – CB – 10		10	1	
											05 – 1320 – CB – 10		10	2	
121	146	26.9	22.3	2.74	2.27	2.00	1910	1810	195	185	05 – 1320 – CB – 12			2	
96.7	117	33.6	27.9	3.43	2.84	2.00	2060	1960	210	200	05 – 1320 – CB – 15				
72.5	87.5	44.8	37.2	4.57	3.79	2.00	2260	2160	230	220	05 – 1320 – CB – 20				
58.0	70.0	56.1	46.4	5.72	4.74	2.00	2350	2260	240	230	05 – 1320 – CB – 25				
48.3	58.3	67.3	55.7	6.86	5.68	2.00	2450	2350	250	240	05 – 1320 – CB – 30			3	
36.3	43.8	89.7	74.3	9.14	7.58	2.00	3970	3820	405	390	05 – 1420 – CB – 40				
29.0	35.0	112	92.9	11.4	9.47	2.00	4170	4020	425	410	05 – 1420 – CB – 50				
24.2	29.2	135	111	13.7	11.4	2.00	4310	4170	440	425	05 – 1420 – CB – 60				

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.

Fig. 1

RNYM05-1310-CB-5-10
(RNYM05-1310-CB-B-5-10)

Mass 13kg
(Mass 16kg)

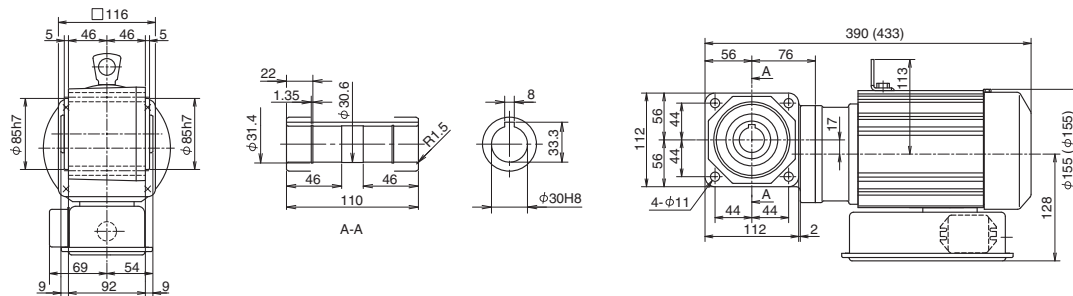


Fig. 2

RNYM05-1320-CB-5-30
(RNYM05-1320-CB-B-5-30)

Mass 15kg
(Mass 17kg)

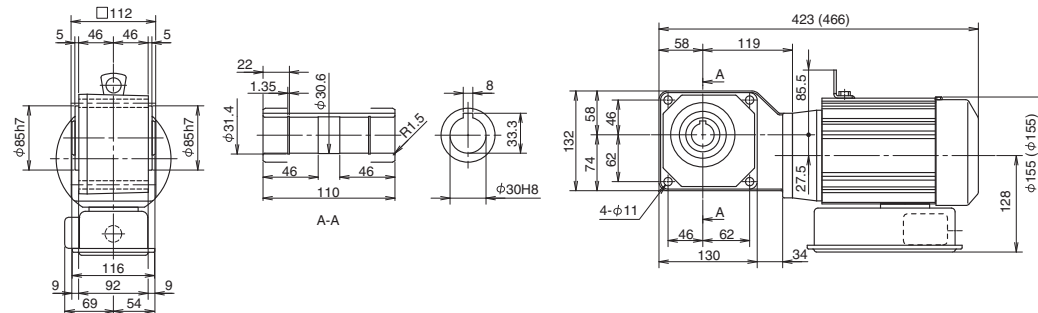
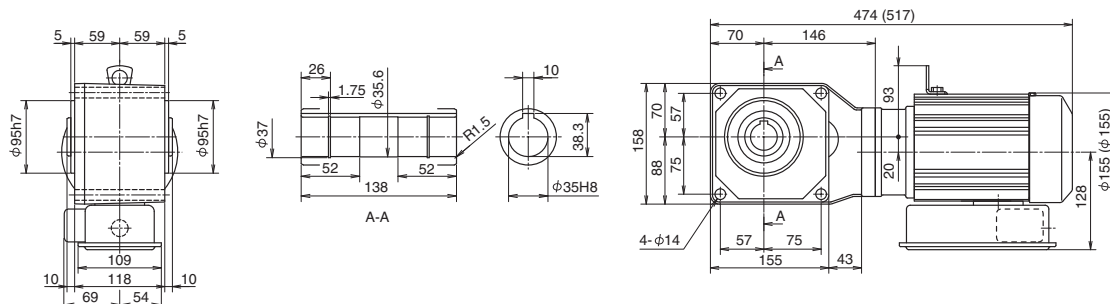


Fig. 3

RNYM05-1420-CB-40-60
(RNYM05-1420-CB-B-40-60)

Mass 18kg
(Mass 20kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.

0.4kW Single-phase Motor



0.4
kW

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	-Suffix-	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
							50Hz	60Hz	50Hz	60Hz					
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz	05	1530	CB	80	4
18.1	21.9	179	149	18.3	15.2	2.00	6230	6130	635	625	05 <td>1530</td> <td>CB</td> <td>100</td>	1530	CB	100	
14.5	17.5	224	186	22.9	18.9	2.00	6230	6230	635	635	05 <td>1530</td> <td>CB</td> <td>120</td>	1530	CB	120	
12.1	14.6	269	223	27.4	22.7	2.00	6230	6230	635	635	05 <td>1530</td> <td>CB</td> <td>150</td>	1530	CB	150	
9.67	11.7	336	279	34.3	28.4	2.00	6230	6230	635	635	05 <td>1530</td> <td>CB</td> <td>200</td>	1530	CB	200	
7.25	8.75	448	372	45.7	37.9	1.63	6230	6230	635	635	05 <td>1530</td> <td>CB</td> <td>240</td>	1530	CB	240	
6.04	7.29	538	446	55	45.5	1.36	6230	6230	635	635	05 <td>1530</td> <td>CB</td> <td>300</td> <th rowspan="8">5</th>	1530	CB	300	5
4.83	5.83	630	525	64.6	53.5	2.00	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>360</td>	1640	CB	360	
4.03	4.86	760	630	77.5	64.2	1.95	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>480</td>	1640	CB	480	
3.02	3.65	1010	840	103	85.6	1.46	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>600</td>	1640	CB	600	
2.42	2.92	1270	1050	129	107	1.17	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>720</td>	1640	CB	720	
2.01	2.43	1480	1260	151	128	*	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>900</td>	1640	CB	900	
1.61	1.94	1480	1480	151	151	*	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>1200</td>	1640	CB	1200	
1.21	1.46	1480	1480	151	151	*	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td>1440</td>	1640	CB	1440	
1.01	1.22	1480	1480	151	151	*	9810	9810	1000	1000	05 <td>1640</td> <td>CB</td> <td></td>	1640	CB		

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Fig. 4 Designate model and voltage and frequency when ordering. Brackets contain dimension, model, or mass of type with brakes.
RNYM05-1530-CB-80~240 Mass 25kg
(RNYM05-1530-CB-B-80~240) (Mass 28kg)

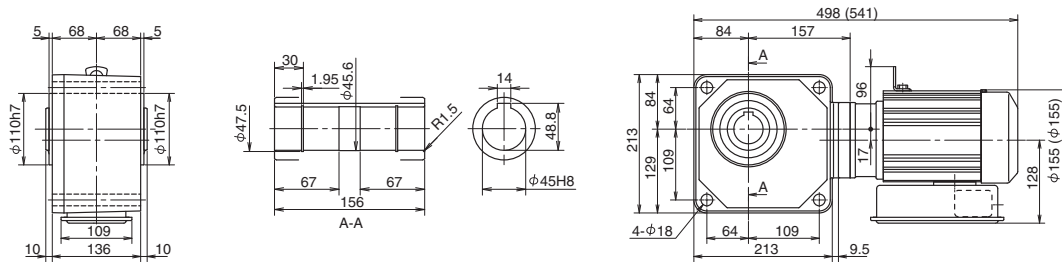
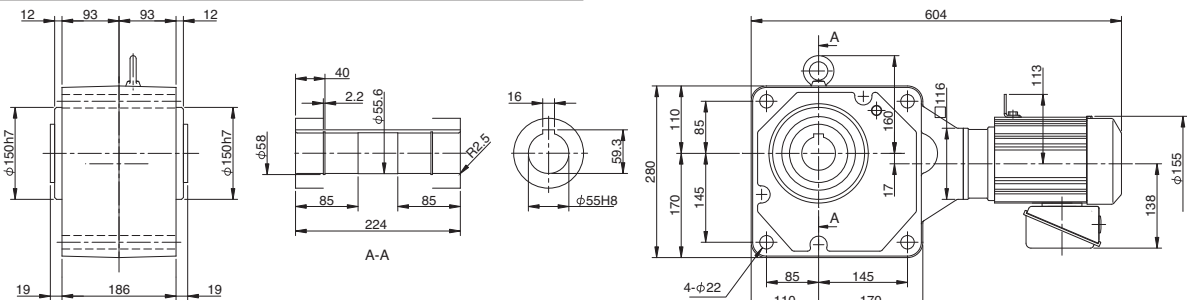


Fig. 5 RNYM05-1640-CB-300~1440 Mass 68kg
(RNYM05-1640-CB-B-300~1440) (Mass 70kg)



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



RNYM Series Hollow Shaft Type

Motor Speed n_1	50Hz	1450r/min
60Hz	1750r/min	

Output speed n_2 r/min		Output Torque T_{out}				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
							50Hz	60Hz	50Hz	60Hz					
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	0.371	0.307	0.038	0.031	4.00	539	490	55	50	0015	– 03	– CC	– 5	1
193	233	0.556	0.461	0.057	0.047	4.00	588	539	60	55	0015	– 03	– CC	– 7.5	
145	175	0.742	0.615	0.076	0.063	4.00	637	588	65	60	0015	– 03	– CC	– 10	
121	146	0.890	0.738	0.091	0.075	4.00	686	637	70	65	0015	– 03	– CC	– 12	
96.7	117	1.11	0.922	0.113	0.094	4.00	735	686	75	70	0015	– 03	– CC	– 15	
72.5	87.5	1.48	1.23	0.151	0.125	4.00	785	735	80	75	0015	– 03	– CC	– 20	
58.0	70.0	1.85	1.54	0.189	0.157	4.00	834	785	85	80	0015	– 03	– CC	– 25	
48.3	58.3	2.23	1.84	0.227	0.188	4.00	883	834	90	85	0015	– 03	– CC	– 30	
36.3	43.8	2.97	2.46	0.303	0.251	4.00	981	932	100	95	0015	– 03	– CC	– 40	
29.0	35.0	3.71	3.07	0.378	0.313	4.00	1080	1030	110	105	0015	– 03	– CC	– 50	
24.2	29.2	4.45	3.69	0.454	0.376	4.00	1080	1080	110	110	0015	– 03	– CC	– 60	
18.1	21.9	5.93	4.92	0.605	0.501	4.00	1080	1080	110	110	0015	– 03	– CC	– 80	
14.5	17.5	7.42	6.15	0.756	0.627	4.00	1080	1080	110	110	0015	– 03	– CC	– 100	
12.1	14.6	8.90	7.38	0.908	0.752	3.34	1080	1080	110	110	0015	– 03	– CC	– 120	
9.06	10.9	11.9	9.83	1.21	1.00	2.50	1080	1080	110	110	0015	– 03	– CC	– 160	
7.25	8.75	14.8	12.3	1.51	1.25	2.00	1080	1080	110	110	0015	– 03	– CC	– 200	
6.04	7.29	17.8	14.8	1.82	1.50	1.67	1080	1080	110	110	0015	– 03	– CC	– 240	

Notes : 1. Motor slippage may affect n_1 and n_2 .

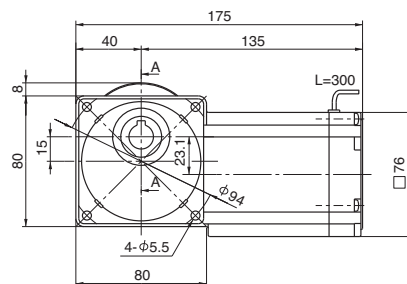
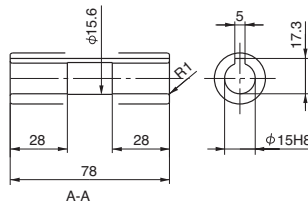
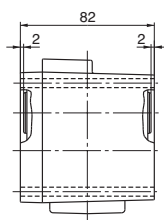
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering.

Fig. 1

→ RNYM0015-03-CC-5-240

Mass 2.6kg



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



25W Single-phase Reversible Motor



25
W

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	-Suffix-	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
							50Hz	60Hz	50Hz	60Hz					
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	0.618	0.512	0.063	0.052	2.40	539	490	55	50	0025	-	03	-	5
193	233	0.927	0.768	0.095	0.078	2.40	588	539	60	55	0025	-	03	-	7.5
145	175	1.24	1.02	0.126	0.104	2.40	637	588	65	60	0025	-	03	-	10
121	146	1.48	1.23	0.151	0.125	2.40	686	637	70	65	0025	-	03	-	12
96.7	117	1.85	1.54	0.189	0.157	2.40	735	686	75	70	0025	-	03	-	15
72.5	87.5	2.47	2.05	0.252	0.209	2.40	785	735	80	75	0025	-	03	-	20
58.0	70.0	3.09	2.56	0.315	0.261	2.40	834	785	85	80	0025	-	03	-	25
48.3	58.3	3.71	3.07	0.378	0.313	2.40	883	834	90	85	0025	-	03	-	30
36.3	43.8	4.95	4.10	0.504	0.418	2.40	981	932	100	95	0025	-	03	-	40
29.0	35.0	6.18	5.12	0.630	0.522	2.40	1080	1030	110	105	0025	-	03	-	50
24.2	29.2	7.42	6.15	0.756	0.627	2.40	1080	1080	110	110	0025	-	03	-	60
18.1	21.9	9.9	8.20	1.01	0.836	2.40	1080	1080	110	110	0025	-	03	-	80
14.5	17.5	12.4	10.2	1.26	1.04	2.40	1080	1080	110	110	0025	-	03	-	100
12.1	14.6	14.8	12.3	1.51	1.25	2.00	1080	1080	110	110	0025	-	03	-	120
9.06	10.9	19.8	16.4	2.02	1.67	1.50	1080	1080	110	110	0025	-	03	-	160
7.25	8.75	24.7	20.5	2.52	2.09	1.20	1080	1080	110	110	0025	-	03	-	200
6.04	7.29	29.7	24.6	3.03	2.51	1.00	1080	1080	110	110	0025	-	03	-	240

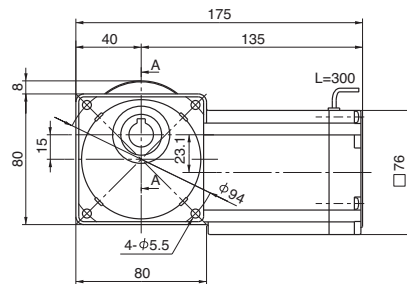
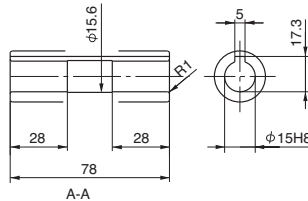
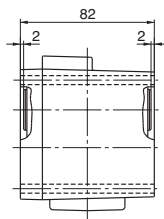
Notes : 1. Motor slippage may affect n₁ and n₂.
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering.

Fig. 2

➔ RNYM0025-03-CC-5-240

Mass 2.7kg



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	-Suffix-	Reduction Ratio	Outline Drawing Fig.			
		Nm		kgf m			N		kgf									
							50Hz	60Hz	50Hz	60Hz								
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz								
290	350	1.12	0.929	0.114	0.095	1.50	539	490	55	50	004	-	07	-	CC	-	5	1
193	233	1.68	1.39	0.171	0.142	1.50	588	539	60	55	004	-	07	-	CC	-	7.5	
145	175	2.24	1.86	0.229	0.189	1.50	637	588	65	60	004	-	07	-	CC	-	10	
121	146	2.69	2.23	0.274	0.227	1.50	686	637	70	65	004	-	07	-	CC	-	12	
96.7	117	3.36	2.79	0.343	0.284	1.50	735	686	75	70	004	-	07	-	CC	-	15	
72.5	87.5	4.48	3.72	0.457	0.379	1.50	785	735	80	75	004	-	07	-	CC	-	20	
58.0	70.0	5.61	4.64	0.572	0.474	1.50	834	785	85	80	004	-	07	-	CC	-	25	
48.3	58.3	6.73	5.57	0.686	0.568	1.50	883	834	90	85	004	-	07	-	CC	-	30	
36.3	43.8	8.97	7.43	0.914	0.758	1.50	981	932	100	95	004	-	07	-	CC	-	40	
29.0	35.0	11.2	9.29	1.14	0.947	1.50	1080	1030	110	105	004	-	07	-	CC	-	50	
24.2	29.2	13.5	11.1	1.37	1.14	1.50	1080	1080	110	110	004	-	07	-	CC	-	60	
18.1	21.9	17.9	14.9	1.83	1.52	1.50	1080	1080	110	110	004	-	07	-	CC	-	80	
14.5	17.5	22.4	18.6	2.29	1.89	1.20	1080	1080	110	110	004	-	07	-	CC	-	100	
12.1	14.6	26.9	22.3	2.74	2.27	1.00	1080	1080	110	110	004	-	07	-	CC	-	120	
9.67	11.7	33.6	27.9	3.43	2.84	1.60	1420	1420	145	145	004	-	17	-	CC	-	150	2
7.25	8.75	44.8	37.2	4.57	3.79	1.20	1420	1420	145	145	004	-	17	-	CC	-	200	
6.04	7.29	53.8	44.6	5.49	4.55	1.00	1420	1420	145	145	004	-	17	-	CC	-	240	

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

Designate model and voltage and frequency when ordering.

Fig. 1

→ RNYM004-07-CC-5~120

Mass 2.9kg

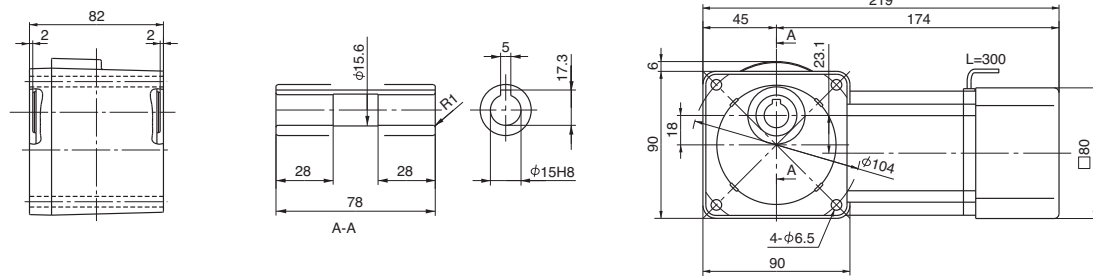
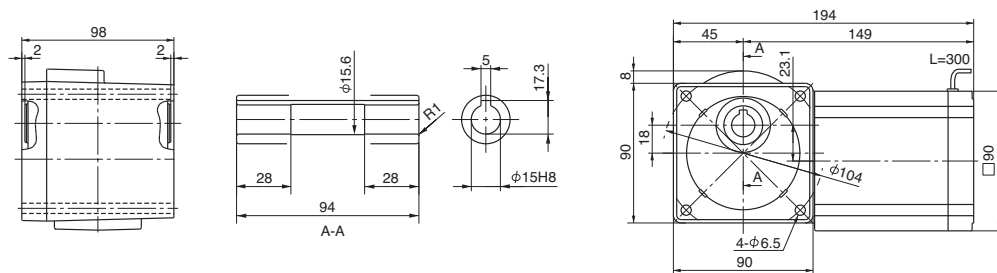


Fig. 2

RNYM004-17-CC-150~240

Mass 4.1kg



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.



40W Single-phase Reversible Motor



40
W

RNYM Series Hollow Shaft Type

Motor Speed n_1	50Hz	1450r/min
60Hz	1750r/min	

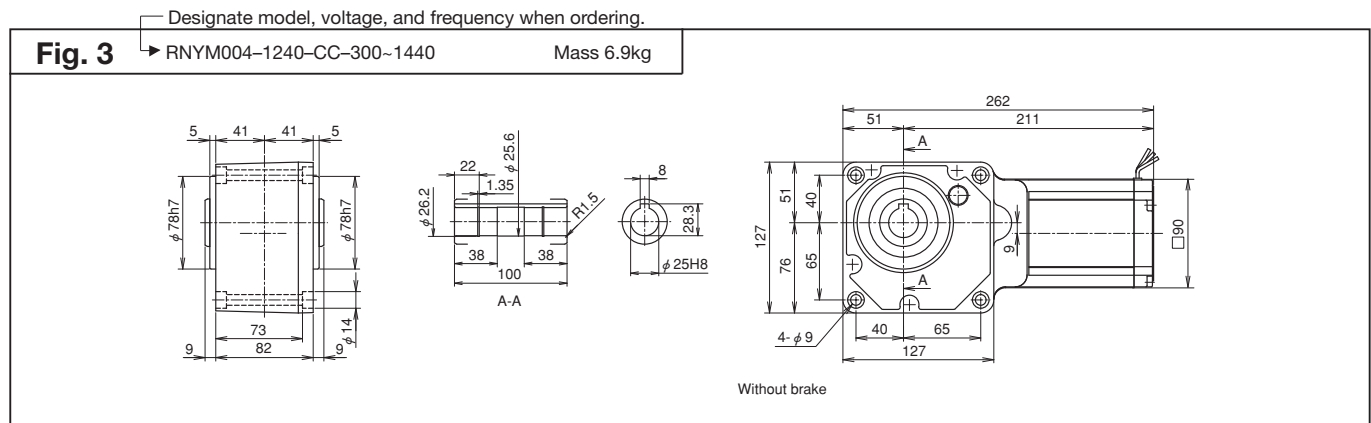
Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
4.83	5.83	63.3	52.5	6.46	5.35	1.55	1810	1810	185	185	004-	1240	- CC -	300	3
4.03	4.86	76.0	62.9	7.75	6.42	1.29	1810	1810	185	185	004-	1240	- CC -	360	
3.02	3.65	98.1	83.9	10.0	8.56	*	1810	1810	185	185	004-	1240	- CC -	480	
2.42	2.92	98.1	98.1	10.0	10.0	*	1810	1810	185	185	004-	1240	- CC -	600	
2.01	2.43	98.1	98.1	10.0	10.0	*	1810	1810	185	185	004-	1240	- CC -	720	
1.61	1.94	98.1	98.1	10.0	10.0	*	1810	1810	185	185	004-	1240	- CC -	900	
1.21	1.46	98.1	98.1	10.0	10.0	*	1810	1810	185	185	004-	1240	- CC -	1200	
1.01	1.22	98.1	98.1	10.0	10.0	*	1810	1810	185	185	004-	1240	- CC -	1440	

Notes : 1. Motor slippage may affect n_1 and n_2 .
2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Hollow Shaft

Single-
phase



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".
2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and masses in the drawings are subject to change without notice.



RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.
		Nm		kgf m			N		kgf						
							50Hz	60Hz	50Hz	60Hz					
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz					
290	350	1.68	1.39	0.171	0.142	1.50	637	588	65	60	006	17	CC	5	1
193	233	2.52	2.09	0.257	0.213	1.50	686	637	70	65	006	17	CC	7.5	
145	175	3.36	2.79	0.343	0.284	1.50	785	735	80	75	006	17	CC	10	
121	146	4.04	3.34	0.412	0.341	1.50	834	785	85	80	006	17	CC	12	
96.7	117	5.04	4.18	0.514	0.426	1.50	883	834	90	85	006	17	CC	15	
72.5	87.5	6.73	5.57	0.686	0.568	1.50	981	932	100	95	006	17	CC	20	
58.0	70.0	8.41	6.97	0.857	0.710	1.50	1030	981	105	100	006	17	CC	25	
48.3	58.3	10.1	8.36	1.03	0.852	1.50	1080	1030	110	105	006	17	CC	30	
36.3	43.8	13.5	11.1	1.37	1.14	1.50	1180	1130	120	115	006	17	CC	40	
29.0	35.0	16.8	13.9	1.71	1.42	1.50	1270	1230	130	125	006	17	CC	50	
24.2	29.2	20.2	16.7	2.06	1.70	1.50	1320	1270	135	130	006	17	CC	60	
18.1	21.9	26.9	22.3	2.74	2.27	1.50	1420	1370	145	140	006	17	CC	80	
14.5	17.5	33.6	27.9	3.43	2.84	1.50	1420	1420	145	145	006	17	CC	100	
12.1	14.6	40.4	33.4	4.12	3.41	1.34	1420	1420	145	145	006	17	CC	120	
9.67	11.7	50.4	41.8	5.14	4.26	1.07	1420	1420	145	145	006	17	CC	150	
7.25	8.75	53.9	53.9	5.50	5.50	*	1420	1420	145	145	006	17	CC	200	
6.04	7.29	53.9	53.9	5.50	5.50	*	1420	1420	145	145	006	17	CC	240	
4.83	5.83	95.0	78.7	9.68	8.02	1.03	1810	1810	185	185	006	1240	CC	300	
4.03	4.86	98.1	94.4	10.0	9.63	*	1810	1810	185	185	006	1240	CC	360	
3.02	3.65	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	480	
2.42	2.92	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	600	
2.01	2.43	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	720	
1.61	1.94	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	900	
1.21	1.46	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	1200	
1.01	1.22	98.1	98.1	10.0	10.0	*	1810	1810	185	185	006	1240	CC	1440	

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

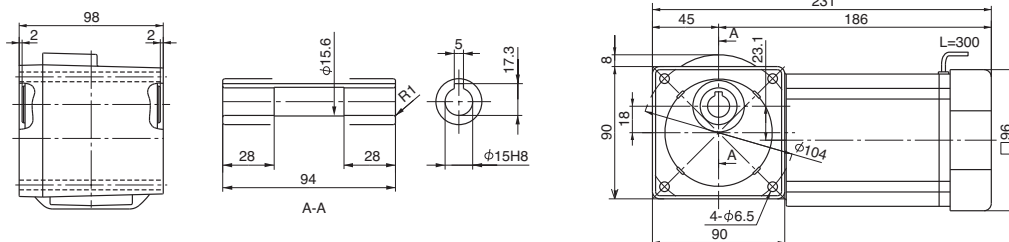
3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Designate model and voltage and frequency when ordering.

Fig. 1

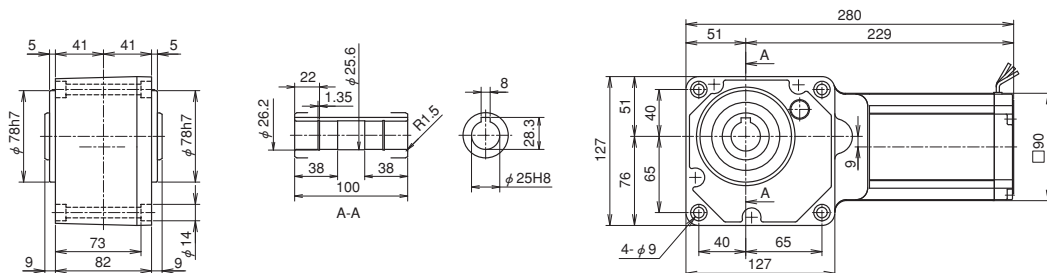
RNYM006-17-CC-5-240

Mass 4.4kg

**Fig. 2**

RNYM006-1240-CC-300~1440

Mass 7.2kg



Without brake

Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.

90W Single-phase Reversible Motor



90
W

RNYM Series Hollow Shaft Type

Motor Speed	n ₁	50Hz	1450r/min
		60Hz	1750r/min

Output speed n ₂ r/min		Output Torque Tout				SF	Allowable Pro				Capacity Symbol	Frame Size	Suffix	Reduction Ratio	Outline Drawing Fig.	
		Nm		kgf m			N		kgf							
							50Hz	60Hz	50Hz	60Hz						
50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		50Hz	60Hz	50Hz	60Hz						
290	350	2.52	2.09	0.257	0.213	1.00	637	588	65	60	009	-	17	-	CC - 5	1
193	233	3.78	3.13	0.386	0.320	1.00	686	637	70	65	009	-	17	-	CC - 7.5	
145	175	5.04	4.18	0.514	0.426	1.00	785	735	80	75	009	-	17	-	CC - 10	
121	146	6.05	5.02	0.617	0.511	1.00	834	785	85	80	009	-	17	-	CC - 12	
96.7	117	7.57	6.27	0.772	0.639	1.00	883	834	90	85	009	-	17	-	CC - 15	
72.5	87.5	10.1	8.36	1.03	0.852	1.00	981	932	100	95	009	-	17	-	CC - 20	
58.0	70.0	12.6	10.4	1.29	1.07	1.00	1030	981	105	100	009	-	17	-	CC - 25	
48.3	58.3	15.1	12.5	1.54	1.28	1.00	1080	1030	110	105	009	-	17	-	CC - 30	
36.3	43.8	20.2	16.7	2.06	1.70	1.00	1180	1130	120	115	009	-	17	-	CC - 40	
29.0	35.0	25.2	20.9	2.57	2.13	1.00	1270	1230	130	125	009	-	17	-	CC - 50	
24.2	29.2	30.3	25.1	3.09	2.56	1.00	1320	1270	135	130	009	-	17	-	CC - 60	
18.1	21.9	40.4	33.4	4.12	3.41	1.00	1420	1370	145	140	009	-	17	-	CC - 80	
14.5	17.5	50.4	41.8	5.14	4.26	1.00	1420	1420	145	145	009	-	17	-	CC - 100	
12.1	14.6	53.9	50.2	5.50	5.11	*	1420	1420	145	145	009	-	17	-	CC - 120	
9.67	11.7	53.9	53.9	5.50	5.50	*	1420	1420	145	145	009	-	17	-	CC - 150	
7.25	8.75	53.9	53.9	5.50	5.50	*	1420	1420	145	145	009	-	17	-	CC - 200	
6.04	7.29	53.9	53.9	5.50	5.50	*	1420	1420	145	145	009	-	17	-	CC - 240	
4.83	5.83	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 300	2
4.03	4.86	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 360	
3.02	3.65	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 480	
2.42	2.92	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 600	
2.01	2.43	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 720	
1.61	1.94	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 900	
1.21	1.46	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 1200	
1.01	1.22	98.1	98.1	10.0	10.0	*	1810	1810	185	185	009	-	1240	-	CC - 1440	

Notes : 1. Motor slippage may affect n₁ and n₂.

2. Allowable radial load shows the value when the distance from hollow shaft end to the point of radial load is 20 mm.

3. Output torque is limited when SF is *. It must be used within the value stipulated in the table as overload may occur if the motor is loaded to its full capacity.

Designate model and voltage and frequency when ordering.

Fig. 1

▶ RNYM009-17-CC-5~240

Mass 4.9kg

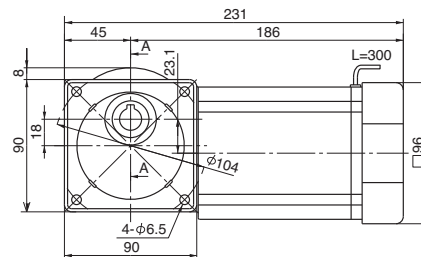
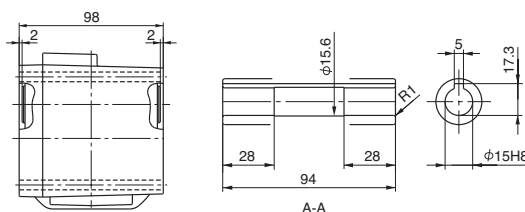
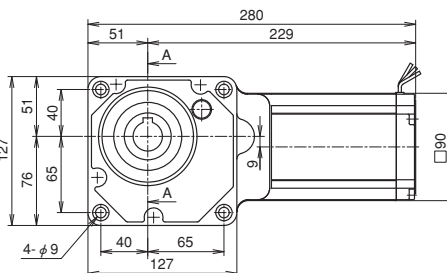
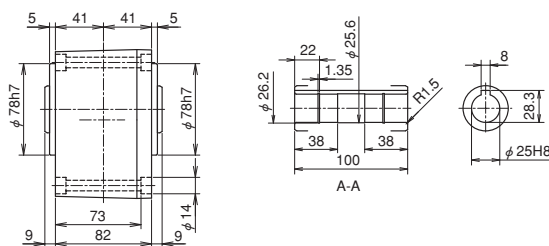


Fig. 2

RNYM009-1240-CC-300~1440

Mass 7.7kg



Notes : 1. Output shaft diameter dimensions : Dimension tolerance in accordance with JIS B 0401-1976 "H8".

2. Output shaft keyway dimensions : Dimension tolerance in accordance with JIS B 1301-1996 parallel key (Normal Grade).

3. Dimensions and Masses in the drawings are subject to change without notice.

Hollow Shaft

Single-phase

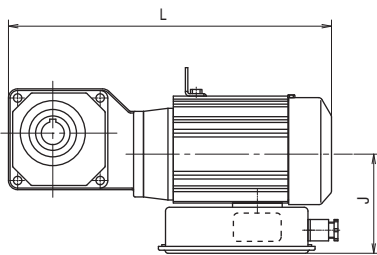
0.1~0.4kW Single-phase Motor Outdoor Type Light Dust Proof



RNYM Series Hollow Shaft Type

Dimension J, L and the shape of terminal box are as below.

Please refer to page 62~67 for other dimensions and selection table.



without brake, with brake

Fig. 2

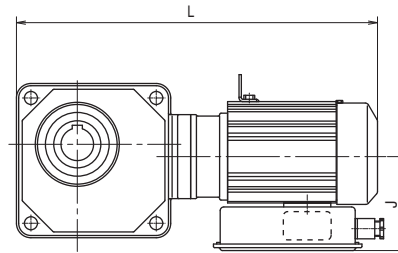
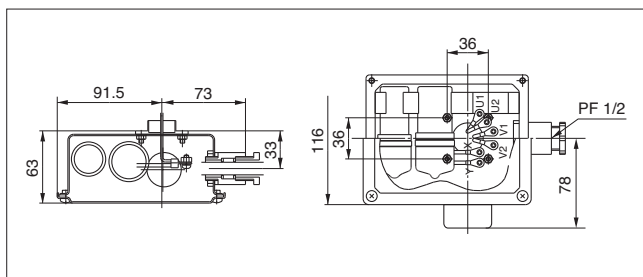
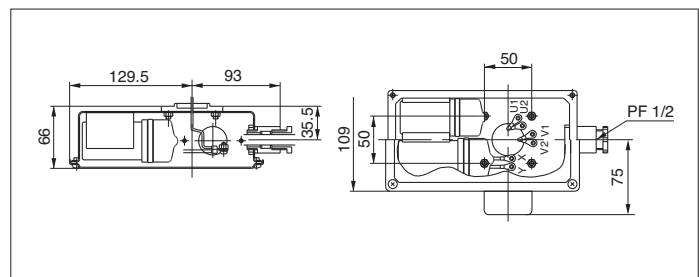


Fig. 3



Terminal box (0.1, 0.2kW)
(A rectifier is built-in for motors with brake)



Terminal box (0.4kW)
(A rectifier is built-in for motors with brake)

Motor Power	Model	L	J	Mass (kg)	Fig.
0.1kW	RNYM01-1110-CB(-B)-5~10	289(307)	120	6.0(7.5)	2
	RNYM01-1120-CB(-B)-5~30	325(342)	120	8.0(9.5)	2
	RNYM01-1220-CB(-B)-40~60	348(365)	120	8.5(11)	2
	RNYM01-1330-CB(-B)-80~240	370(388)	120	11(12)	3
	RNYM01-1440-CB(-B)-300~1440	435(453)	120	16(17)	3
	RNYM01-1540-CB(-B)-300~1440	479(497)	120	25(26)	3
0.2kW	RNYM02-1210-CB(-B)-5~10	325(343)	120	9.0(10)	2
	RNYM02-1220-CB(-B)-5~30	368(385)	120	10(12)	2
	RNYM02-1320-CB(-B)-40~60	395(413)	120	12(14)	2
	RNYM02-1430-CB(-B)-80~240	418(436)	120	17(18)	3
	RNYM02-1540-CB(-B)-300~1440	499(517)	120	26(27.5)	3
0.4kW	RNYM05-1310-CB(-B)-5~10	390(433)	120	13(16)	2
	RNYM05-1320-CB(-B)-5~30	423(466)	130	16(18)	2
	RNYM05-1420-CB(-B)-40~60	474(517)	130	19(21)	2
	RNYM05-1530-CB(-B)-80~240	498(541)	130	26(29)	3
	RNYM05-1640-CB(-B)-300~1440	604(647)	130	68.5(70.5)	3

Values in brackets () are for motors with brake.

